

CHAPTER 2

UC-35 TRANSPORT AIRCREWMAN

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*** * N O T E * ***

Crew Resource Management will be briefed for all flights and aircrew positions.

UC-35 TRANSPORT AIRCREWMAN

200. POI FOR BASIC AND TRANSITION TA

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1	Ground Training	Flying Unit
2-6	Flight Training	Flying Unit

201. POI FOR CONVERSION AND REFRESHER TA

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1	Ground Training	Flying Unit
2-4	Flight Training	Flying Unit

202. POI FOR TA IUT

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1	Ground Training	Flying Unit
2-4	Flight Training	Flying Unit

210. GROUND TRAINING COURSES OF INSTRUCTION. Ground school is conducted at the flying unit.

211. SQUADRON LEVEL TRAINING

Orientation
 Aircraft Systems and Limitations
 Normal Procedures
 Emergency Procedures and Equipment *
 Mission Planning
 Flight Publications
 Flight Logs and Records [Logistic Flight Record (LFR), Naval Aircraft Flight Record (NAVFLIR) etc.]
 Weight and Balance
 Aircraft Configuration (passengers/cargo)
 Cargo Loading/Offloading
 Passenger Loading/briefing/offloading
 Aircraft Inspections (preflight/postflight)
 Line Operations (aircraft starting/directing/parking)
 Aircraft Servicing
 Aircraft Securing/Security
 First Aid/CPR
 Aircrew Coordination and Responsibilities
 NATOPS Open and Closed Book Exams

NOTE: * Emergency procedures instruction shall include: egress, escape hatch, life raft positioning responsibilities, fire extinguishers, and emergency radio.

220. BASIC AND TRANSITION TA SYLLABUS1. Mission Capable Training

<u>STAGE</u>	<u>FLIGHTS</u>	<u>HOURS</u>	<u>PERCENT</u>
Familiarization	3	6.0	40.0
2. <u>Mission Ready Training</u>			
<u>STAGE</u>	<u>FLIGHTS</u>	<u>HOURS</u>	<u>PERCENT</u>
Airlift Mission	2	6.0	40.0
3. <u>Full Mission Qualification Training</u>			
<u>STAGE</u>	<u>FLIGHTS</u>	<u>HOURS</u>	<u>PERCENT</u>
TA Check	1	3.0	20.0
Total for Basic and Transition TA	6	15.0	100.0

221. CONVERSION AND REFRESHER TA SYLLABUS

<u>STAGE</u>	<u>FLIGHTS</u>	<u>HOURS</u>
Familiarization	1	3.0
Airlift Mission	1	3.0
TA Check	1	3.0
Total for Conversion and Refresher TA	3	9.0

222. TA IUT SYLLABUS

<u>STAGE</u>	<u>FLIGHTS</u>	<u>HOURS</u>
Familiarization	1	2.0
Airlift Mission	1	2.0
Standardization Check	1	2.0
Total for Transport Aircrewman IUT	3	6.0

230. SIMULATOR TRAINING. Not applicable.240. FLIGHT PERFORMANCE REQUIREMENTS

1. A TA Under Instruction (TAUI) who was previously NATOPS qualified in the UC-35 or another FW Operational Support Airlift (OSA) transport aircraft will complete the "Refresher or Conversion" syllabus. All others will complete the "Basic or Transition" syllabus.

2. The time required to train a TA will vary depending on previous experience and individual ability. A TAUI may come from any MOS. The number of hours required for designation as a TA is a minimum and may be increased as deemed necessary by the unit commander. All flight training will be conducted in conjunction with pilot training or operational flights.

3. The minimum crew will consist of a Transport Aircraft Commander (TAC),

Copilot (T2P/T3P/PUI), Transport Aircrewman Instructor (TAI) and Transport Aircrewman Under Instruction (TAUI). The TAC may act as the TAI and is authorized to instruct the TAUI.

4. Crew Resource Management (CRM). CRM shall be briefed for all flights and/or events.

241. MISSION CAPABLE TRAINING

1. Purpose. To familiarize the TAUI with the UC-35 aircraft. Instruction will emphasize aircraft inspections and servicing, normal and emergency procedures, and aircraft systems.

2. Flight Training (3 Flights, 6.0 Hours)

FAM-100 0.0 B, T 1 UC-35

Goal. Introduce ground procedures. No flight required.

Requirement. Discuss aircraft general description, engine systems and GPU operations. Discuss flight schedule, flight planning, flight publications, normal and emergency procedures and military appearance. Introduce TAUI to maintenance personnel. TAUI shall observe maintenance personnel conducting a daily inspection. Introduce preflight and postflight inspections, checklists (normal and emergency), and weight and balance.

FAM-101 3.0 B, T 1 UC-35

Goal. Introduce normal and emergency procedures.

Requirement. Discuss aircraft dimensions, fuel system, electrical system, hydraulic system, and fire warning system. Discuss passenger brief, fire procedures, smoke and fume elimination, and ditching. Discuss emergency evacuation, incapacitated passenger, and first aid. Introduce flight packet, passenger manifest, brief and coordination, cargo loading, credit cards and receipts, lookout doctrine and crew coordination. Introduce single-point refueling procedures. Practice weight and balance, preflight and postflight inspections, and checklists.

FAM-102 3.0 B, T, C, R 1 UC-35 (N)

Goal. Practice normal and emergency procedures.

Requirement. Discuss aircraft limitations, environmental system, pressurization system, oxygen system, anti-ice/de-ice systems and aircraft lighting. Discuss LFR/NAVFLIR. Discuss passenger comfort, pressurization failure, and night procedures. Introduce fueling operations at a civil airport and completion of LFR/NAVFLIR. Practice normal and emergency procedures.

242. MISSION READY TRAINING

1. Purpose. To refine knowledge of UC-35 systems, normal and emergency procedures, and introduce UC-35 airlift mission responsibilities.

2. Flight Training (2 Flights, 6.0 Hours)

FRAG-200 3.0 B, T 1 UC-35 (N)

Goal. Introduce airlift mission responsibilities.

Requirement. Discuss hazardous cargo, aircraft danger areas, landing gear and brake systems, communication and navigation systems, and cabin preparation for take-off and landing. Introduce responsibilities during passenger missions, UHF and HF radio operation, and flight phone procedures. Practice normal and emergency procedures.

FRAG-201 3.0 B, T, C, R 1 UC-35 (N)

Goal. Practice airlift mission responsibilities.

Requirement. Discuss VIP missions, military courtesies, enroute breakdowns, all-weather operations, and completion of travel claims. Introduce VIP operations, red carpet procedures, Remain Overnight (RON) procedures, and completion of travel claims. Introduce aircraft parking, securing of aircraft, and overnight security procedures. Practice normal and emergency procedures.

243. FULL MISSION QUALIFICATION TRAINING

1. Purpose. To demonstrate the ability to meet NATOPS evaluation criteria.

2. Flight Training (1 Flight, 3.0 Hours)

TA CK-400 3.0 B, T, C, R E 1 UC-35

Goal. Evaluate the TAU's ability to become a TA.

Requirement. TAU must demonstrate a thorough knowledge of aircraft systems, limitations, normal/emergency procedures, and duties in compliance with established NATOPS evaluation criteria.

Prerequisite. NATOPS open and closed book examinations.

250. TA INSTRUCTOR TRAINING

1. Purpose. To qualify a TA as a UC-35 Transport Aircrewman Instructor (TAI).

2. Crew Requirement. TAC/CP/TAI/TAIUT.

3. Flight Training (3 Flights, 6.0 Hours)

FAM-500 2.0 1 UC-35

Goal. IUT familiarization.

Requirement. Discuss instructional techniques, NATOPS evaluations, TA performance parameters, crew coordination,

flight publications, weight and balance, LFR/NAVFLIR, flight packet, credit cards/receipts, and enroute breakdowns. Discuss aircraft limitations, fuel system, electrical system, hydraulic system, fire warning system and survival equipment. Introduce preflight and postflight, checklists, all normal and emergency procedures, TA duties and responsibilities.

FRAG-501 2.0 1 UC-35

Goal. IUT airlift mission.

Requirement. Discuss passenger manifest, passenger brief, passenger procedures, VIP procedures, hazardous cargo, aircraft handling, all-weather operations and RON procedures. Discuss environmental system, pressurization system, oxygen system, anti-ice/de-ice systems and aircraft lighting. Practice preflight and postflight, checklists, all normal and emergency procedures, TA duties and responsibilities.

STAN-502 2.0 1 UC-35

Goal. IUT standardization check.

Requirement. TAIUT to brief and conduct a standard NATOPS evaluation on TAI, and monitor performance within parameters prescribed in the UC-35 NATOPS Manual. Demonstrate a thorough knowledge of all aircraft systems, limitations, normal procedures, emergency procedures, TA duties and responsibilities.

Prerequisite. NATOPS open and closed book examinations.

260. ORDNANCE REQUIREMENTS. Not applicable.

AIRCRAFT: UC-35		MOS: N/A		CREW POSITION: TA					
FLIGHT	TRNG		REFLY						
STAGE	CODE	HRS	INTERVAL	MRP	T	C	R	E	REMARKS
MISSION CAPABLE TRAINING									
FAM	100	0.0	*	10.0	X	X			
	101	3.0	*	15.0	X	X	X		

T&R MANUAL, UC-35

	102	3.0	*	15.0	X	X		
MISSION READY TRAINING								
FRAG	200	3.0	*	20.0	X	X		
	201	3.0	6	20.0	X	X	X	
FULL MISSION QUALIFICATION TRAINING								
TAC CK	400	3.0	C	20.0	X	X	X	X

Figure 2-1.--UC-35 TA Refly Interval, Mission Readiness Percentage.
TA FLIGHT UPDATE CHAINING

<u>STAGE</u>	<u>FLIGHT</u>	<u>FLIGHTS UPDATED</u>
FRAG	201	102, 101, 100
TAC CK	400	201, 200

Figure 2-2.--UC-35 TA Flight Update Chaining.